RUDRAPRASAD CONSULTANTS

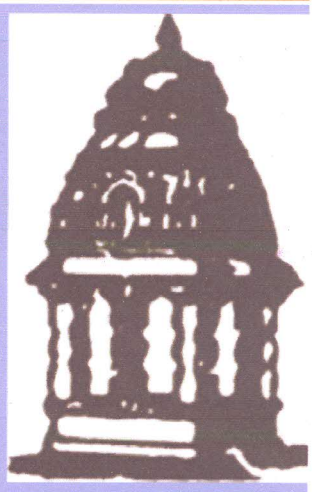
AME OF WORK: Package-4, includes 4 works of Rs.195.00 Lakhs

1. ***Improvements to roads and drains near Hebbal Shanimahatma temple in Ward No.07, Byatarayanapura.***
2. ***Improvements to roads and drains Amruthalli gramatana pending works and surrounding areas in Ward No.07, Byatarayanapura.***
3. ***Improvements to roads and drains Sanjeevinagara, Byatarayanapura and Kempapura in Ward No.07, Byatarayanapura.***
4. ***Improvements to drains Hoysala Apartment towards Byatararayanapura in Ward No.07, Byatarayanapura***

FIRST & PART BILL

MEASUREMENT SHEET

SUBMITTED TO B.B.M.P,
BANGALORE



#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526 Web: www.arkstructure.com e-mail: rechan6630@yahoo.co.in

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : Package - 4 includes 4 works of Rs.195.00 lakhs 1).Improvements to roads and drains near Hebbal Shanimahatma temple in Ward No.07, Byatarayanapura. 2).Improvements to roads and drains Amruthalli gramatana pending works and surrounding areas in Ward No.07, Byatarayanapura. 3).Improvements to roads and drains Sanjeevinagara, Byatarayanapura and Kempapura in Ward No.07, Byatarayanapura. 4).Improvements to drains Hoysala Apartment towards Byatararayanapura in Ward No.07, Byatarayanapura

PROJECT NAME:- Improvements to roads and drains near Hebbal Shanimahatma temple in Ward No.07, Byatarayanapura

Agency:Abhijit A, No.09, Gurushree nilaya, 5th cross, 80feet Road, Padmanabhanagara, Bangalore-560 070

MEASUREMENT SHEET - 1st and PART BILLL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Measurement Recorded on							
Item no.01		Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and as per the direction of Engineer in charge of the work.							
		Drain Desilting							
		Yogeshwara nagar							
		4th cross							
		Left Side							
0	24		Cum	1	24.00	0.45	0.45	4.86	
		Right Side							
0	24		Cum	1	24.00	0.45	0.45	4.86	
		2nd cross							
		Left Side							
0	23		Cum	1	23.00	0.45	0.45	4.66	
		Right Side							
0	23		Cum	1	23.00	0.45	0.45	4.66	
		Shanimahatma Temple Front							
0	34.5		Cum	1	34.50	2.00	0.90	62.10	
0	26		Cum	1	26.00	2.00	0.90	46.80	
0	17.5		Cum	1	17.50	1.00	0.80	14.00	
0	35		Cum	1	35.00	1.50	0.90	47.25	
							Total	189.19	NDD AE(1st) 09/11/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.02		**Earthwork in surface excavation in ordinary soil for Leveling and lowering the ground manually (other than foundation of buildings, culverts, road, drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 2m and lift upto 1.5m. excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per Specifications.and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Road surface							
		Yogeshwara nagar							
		8th cross							
0	15		Cum	1	15.00	6.30	0.20	18.90	
15	22		Cum	1	7.00	6.00	0.20	8.40	
		3rd cross							
0	15		Cum	1	15.00	5.70	0.20	17.10	
15	23		Cum	1	8.00	6.20	0.20	9.92	
		4th cross	cum						
0	15		Cum	1	15.00	4.35	0.20	13.05	
15	24.5		Cum	1	9.50	4.75	0.20	9.03	
		2nd cross							
0	15		Cum	1	15.00	4.50	0.20	13.50	
15	23		Cum	1	8.00	4.20	0.20	6.72	
		Deductions to Manholes	cum	3	0.636		0.2	-0.38	NDD DE(HT) 09/11/18
			(3.14x0.9x0.9) / 4 = 0.636						
		Shanimahatma Temple behind							
		1St Cross							
0	15		Cum	1	15.00	2.75	0.20	8.25	
15	30		Cum	1	15.00	2.75	0.20	8.25	
30	47		Cum	1	17.00	2.30	0.20	7.82	
		Main Road							
0	15		Cum	1	15.00	6.85	0.20	20.55	
15	30		Cum	1	15.00	6.25	0.20	18.75	
30	45		Cum	1	15.00	5.75	0.20	17.25	
45	60		Cum	1	15.00	6.55	0.20	19.65	
60	75		Cum	1	15.00	7.45	0.20	22.35	
75	82		Cum	1	7.00	7.10	0.20	9.94	
		3rd cross	cum						
0	15		Cum	1	15.00	3.30	0.20	9.90	
15	30		Cum	1	15.00	3.15	0.20	9.45	
30	48		Cum	1	18.00	3.05	0.20	10.98	

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Pa...

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Ashwath Katte Near							
0	11		Cum	1	11.00	9.10	0.20	20.02	
0	14		Cum	1	14.00	2.20	0.20	6.16	
		Temple Road							
0	3.5		Cum	1	3.50	6.90	0.20	4.83	
0	15		Cum	1	15.00	10.20	0.20	30.60	
15	30		Cum	1	15.00	9.20	0.20	27.60	
30	45		Cum	1	15.00	11.00	0.20	33.00	
0	15		Cum	1	15.00	4.30	0.20	12.90	
15	30		Cum	1	15.00	3.95	0.20	11.85	
0	15		Cum	1	15.00	8.95	0.20	26.85	
		Deductions to Manholes	cum	10	0.636		0.2	-1.27	
			(3.14x0.9x0.9) / 4 = 0.636						
							Total	431.91	NDP

AE(L21)
09/11/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

N.D
Assistant Engineer

9/11/18
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.4		Providing granite 7.5cms thick slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc., and as per the direction of Engineer in charge of the work.							
Measurement Recorded on									
		Yogeshwara nagar	-Drain slabs						
		4th cross							
		Left Side							
0	15		Sqm	1	15.00	1.35		20.25	
15	24		Sqm	1	9.00	1.35		12.15	
		Right Side							
0	15		Sqm	1	15.00	1.35		20.25	
15	24		Sqm	1	9.00	1.35		12.15	
		2nd cross							
		Left Side							
0	15		Sqm	1	15.00	1.35		20.25	
15	23		Sqm	1	8.00	1.35		10.80	
		Right Side							
0	15		Sqm	1	15.00	1.35		20.25	
15	23		Sqm	1	8.00	1.35		10.80	
							Total	126.90	NDD DETCD 2/1/19

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara P
560 092

MEASUREMENT SHEET - 1st and PART BILLL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.5		**Providing and laying in position Plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and Fine aggregates @0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation, including cost of all materials, labour, HOM of Machinery, curing complete as per specificationand as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Road surface							
		Yogeshwara nagar							
		8th cross							
0	15		Cum	1	15.00	6.30	0.15	14.18	
15	22		Cum	1	7.00	6.00	0.15	6.30	
		3rd cross							
0	15		Cum	1	15.00	5.70	0.15	12.83	
15	23		Cum	1	8.00	6.20	0.15	7.44	
		4th cross	cum						
0	15		Cum	1	15.00	4.35	0.15	9.79	
15	24		Cum	1	9.00	4.75	0.15	6.41	
		2nd cross							
0	15		Cum	1	15.00	4.50	0.15	10.13	
15	23		Cum	1	8.00	4.20	0.15	5.04	
		Deductions to Manholes	cum	3	0.636		0.15	-0.29	
			(3.14x0.9x0.9) / 4 = 0.636						
		Shanimahatma Temple Front Side							
		1St Cross							
0	15		Cum	1	15.00	2.75	0.15	6.19	
15	30		Cum	1	15.00	2.75	0.15	6.19	
30	47		Cum	1	17.00	2.30	0.15	5.87	
		Main Road							
0	15		Cum	1	15.00	6.85	0.15	15.41	
15	30		Cum	1	15.00	6.25	0.15	14.06	
30	45		Cum	1	15.00	5.75	0.15	12.94	
45	60		Cum	1	15.00	6.55	0.15	14.74	
60	75		Cum	1	15.00	7.45	0.15	16.76	
75	82		Cum	1	7.00	7.10	0.15	7.46	
		3rd cross	cum						
0	15		Cum	1	15.00	3.30	0.15	7.43	
15	30		Cum	1	15.00	3.15	0.15	7.09	
30	48		Cum	1	18.00	3.05	0.15	8.24	

192.25

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)	192.25	
		Near							
0	11		Cum	1	11.00	9.10	0.15	15.02	
0	13.5		Cum	1	13.50	2.20	0.15	4.46	
		Temple Road							
0	3.7		Cum	1	3.70	6.90	0.15	3.83	
0	15		Cum	1	15.00	10.20	0.15	22.95	
15	30		Cum	1	15.00	9.20	0.15	20.70	
30	45		Cum	1	15.00	11.00	0.15	24.75	
0	15		Cum	1	15.00	4.30	0.15	9.68	
15	30		Cum	1	15.00	3.95	0.15	8.89	
0	15		Cum	1	15.00	8.95	0.15	20.14	
		Deductions to Manholes	cum	10	0.636		0.15	-0.95	
			(3.14x0.9x0.9)/4 = 0.636						
							Total	323.62	NDD

DE(LR)
14/1/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

N.D

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.6		**Providing and laying in position Plain cement concrete of mix 1:2:4 with OPC cement @240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and Fine aggregates @0.53 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of Machinery, curing complete as per specification.and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Drain Coping							
		Shanimahatma Temple Front							
0	35		Cum	2	35.00	0.45	0.10	3.15	
0	26		Cum	2	26.00	0.45	0.10	2.34	
0	17.5		Cum	2	17.50	0.45	0.10	1.58	
0	34		Cum	2	34.00	0.45	0.10	3.06	
							Total	**10.13**	

NDD
DE(M)
28/11/19

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.7		**Providing and constructing granite/trap/basalt size stone masonry in foundation in CM 1:6 stone hammed dressed in courses not less than 20cms high, bond stones at 2m apart in each course including cost of materials, labour, curing etc., and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Drain flagging course							
		Shanimahatma Temple Front							
0	35		Cum	2	35.00	0.45	0.80	25.20	
0	26		Cum	2	26.00	0.45	0.80	18.72	
0	17.5		Cum	2	17.50	0.45	0.80	12.60	
0	34		Cum	2	34.00	0.45	0.80	24.48	
							Total	**81.00**	NDD

DE (W)
28/1/19

HUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.9		**Providing ruled pointing of course stone masonry with cement mortar 1:3, after raking joints, nicely lining, including ost of materials, labour, curing etc., and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Drain pointing							
		4th cross							
		Left Side							
0	15		Sqm	2	15.00	1.35		40.50	
15	24		Sqm	2	9.00	1.35		24.30	
		Right Side							
0	15		Sqm	2	15.00	1.35		40.50	
15	24		Sqm	2	9.00	1.35		24.30	
		2nd cross							
		Left Side							
0	15		Sqm	2	15.00	1.35		40.50	
15	23		Sqm	2	8.00	1.35		21.60	
		Right Side							
0	15		Sqm	2	15.00	1.35		40.50	
15	23		Sqm	2	8.00	1.35		21.60	
		Shanimahatma Temple Front -drain							
0	35		Sqm	2	35.00		0.80	56.00	
0	26		Sqm	2	26.00		0.80	41.60	
0	17.5		Sqm	2	17.50		0.80	28.00	
0	34		Sqm	2	34.00		0.80	54.40	
							Total	**433.80**	NDD

DE(LM)
28/1/19

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

28/1/19
Assistant Executive Engineer
Rodgers Sub Division
Bruhat Bangalore Mahanagara Pali

MEASUREMENT SHEET - 1st and PART BILLL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.10		**Cement concrete pavement. Constructionn of un reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2, with 25mm and down size graded granite metal coarse granite metal coarse aggregates and fine aggregates, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.5cum capacity and appropriate weigh batcher as per approevd mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floater in a continuos operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, seperation membrane, selant primer, joint selant, admixtures as approved, curing compound, finishing to lines and grades as per specifications. -and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Road surface							
		Yogeshwara nagar							
		8th cross							
0	15		Cum	1	15.00	6.30	0.10	9.45	
15	22		Cum	1	7.00	6.00	0.10	4.20	
		3rd cross							
0	15		Cum	1	15.00	5.70	0.10	8.55	
15	23		Cum	1	8.00	6.20	0.10	4.96	
		4th cross	cum						
0	15		Cum	1	15.00	4.35	0.10	6.53	
15	24		Cum	1	9.00	4.75	0.10	4.28	
		2nd cross							
0	15		Cum	1	15.00	4.50	0.10	6.75	
15	23		Cum	1	8.00	4.20	0.10	3.36	
		Deductions to Manholes	cum	3	0.636		0.10	-0.19	
			(3.14x0.9x0.9) / 4 = 0.636						
		Shanimahatma Temple Front Side							
		1St Cross							
0	15		Cum	1	15.00	2.75	0.10	4.13	
15	30		Cum	1	15.00	2.75	0.10	4.13	
30	47		Cum	1	17.00	2.30	0.10	3.91	
		Main Road							
0	15		Cum	1	15.00	6.85	0.10	10.28	
15	30		Cum	1	15.00	6.25	0.10	9.38	
30	45		Cum	1	15.00	5.75	0.10	8.63	

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara P

MEASUREMENT SHEET - 1st and PART BILLL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
45	60		Cum	1	15.00	6.55	0.10	9.83	
60	75		Cum	1	15.00	7.45	0.10	11.18	
75	82		Cum	1	7.00	7.10	0.10	4.97	
		3rd cross	cum						
0	15		Cum	1	15.00	3.30	0.10	4.95	
15	30		Cum	1	15.00	3.15	0.10	4.73	
30	48		Cum	1	18.00	3.05	0.10	5.49	
		Near							
0	11		Cum	1	11.00	9.10	0.10	10.01	
0	13.5		Cum	1	13.50	2.20	0.10	2.97	
		Temple Road							
0	4		Cum	1	4.00	6.90	0.10	2.76	
0	15		Cum	1	15.00	10.20	0.10	15.30	
15	30		Cum	1	15.00	9.20	0.10	13.80	
30	45		Cum	1	15.00	11.00	0.10	16.50	
0	15		Cum	1	15.00	4.30	0.10	6.45	
15	30		Cum	1	15.00	3.95	0.10	5.93	
0	15		Cum	1	15.00	8.95	0.10	13.43	
		Deductions to Manholes	cum	10	0.636		0.10	-0.64	
							Total	**215.95**	

CAMP dt 13/9/19

N.D. (Dup.)

N.D.

AE(Dup)

1/2/19

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.11		**Vaccume de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of Machineries, screed vibrotery, power floater, blade and disc.,and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Road surface							
		Yogeshwara nagar							
		8th cross							
0	15		Sqm	1	15.00	6.30		94.50	
15	22		Sqm	1	7.00	6.00		42.00	
		3rd cross							
0	15		Sqm	1	15.00	5.70		85.50	
15	23		Sqm	1	8.00	6.20		49.60	
		4th cross							
0	15		Sqm	1	15.00	4.35		65.25	
15	24		Sqm	1	9.00	4.75		42.75	
		2nd cross							
0	15		Sqm	1	15.00	4.50		67.50	
15	23		Sqm	1	8.00	4.20		33.60	
		Deductions to Manholes	Sqm	3	0.636			-1.91	
					(3.14x0.9x0.9)/4 = 0.636				
		Shanimahatma Temple Front Side							
		1St Cross							
0	15		Sqm	1	15.00	2.75		41.25	
15	30		Sqm	1	15.00	2.75		41.25	
30	47		Sqm	1	17.00	2.30		39.10	
		Main Road							
0	15		Sqm	1	15.00	6.85		102.75	
15	30		Sqm	1	15.00	6.25		93.75	
30	45		Sqm	1	15.00	5.75		86.25	
45	60		Sqm	1	15.00	6.55		98.25	
60	75		Sqm	1	15.00	7.45		111.75	
75	82		Sqm	1	7.00	7.10		49.70	
		3rd cross							
0	15		Sqm	1	15.00	3.30		49.50	
15	30		Sqm	1	15.00	3.15		47.25	
30	48		Sqm	1	18.00	3.05		54.90	

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Near							
0	11		Sqm	1	11.00	9.10		100.10	
0	13.5		Sqm	1	13.50	2.20		29.70	
		Temple Road	Sqm						
0	4		Sqm	1	4.00	6.90		27.60	
0	15		Sqm	1	15.00	10.20		153.00	
15	30		Sqm	1	15.00	9.20		138.00	
30	45		Sqm	1	15.00	11.00		165.00	
0	15		Sqm	1	15.00	4.30		64.50	
15	30		Sqm	1	15.00	3.95		59.25	
0	15		Sqm	1	15.00	8.95		134.25	
		Deductions to Manholes	Sqm	10	0.636			-6.36	
			3.14x0.9x0.9)/4 = 0.636						
							Total	2159.53	

NDD
DE(WST)
1/2/19

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

N.D
Assistant Engineer

1/2/19
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Mahanagara P...

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.18		Loading and unloading of stone boulder/stone aggregates/sand/kaner/moorum. placing tipper at loading point loading with front end loading, dumping turing for return trip, excluding time for haulage and return and trip complete as per specificationand as per the direction of Engineer in charge of the work.							
Measurement Recorded on									
		considered same Qty vide I.No. 1						189.19	NDP DE(LA) 6/2/19

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET - 1st and PART BILLL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
E1		**Providing and fixing 20cm thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centering shuttering reinforcement and bar bending machine mixed conrete laid in layer not exceeding 15cm thick well compacted cost of all materials labhour curing complete as per specification and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Shanimahatma Temple Front							
0	35		Sqm	1	35.00	2.00		70.00	
0	26		Sqm	1	26.00	2.80		72.80	
0	17.5		Sqm	1	17.50	3.00		52.50	
0	34		Sqm	1	34.00	3.00		102.00	
							Total	**297.30**	

NDD
AE(N24)
18/2/19

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

6/2/19
Assistant Executive Engineer
Kodigehalli Sub Division
Mahanagara Palik

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : Package - 4 includes 4 works of Rs.195.00 lakhs 1).Improvements to roads and drains near Hebbal Shanimahatma temple in Ward No.07, Byatarayanapura. 2).Improvements to roads and drains Amruthalli gramatana pending works and surrounding areas in Ward No.07, Byatarayanapura. 3).Improvements to roads and drains Sanjeevinagara, Byatarayanapura and Kempapura in Ward No.07, Byatarayanapura. 4).Improvements to drains Hoysala Apartment towards Byatararayanapura in Ward No.07, Byatarayanapura

PROJECT NAME:- Improvements to roads and Drains Amruthalli gramatana pending works and surrounding areas in ward no. 07, Byatarayanapura

Agency:Abhijit A, No.09, Gurushree nilaya, 5th cross, 80feet Road, Padmanabhanagara, Bangalore-560 070

MEASUREMENT SHEET -1st AND Part BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.1		**Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and as per the direction of Engineer in charge of the work.**							
		Measurement Recorded on							
		Road surface							
		Amruthahalli main road Next to Amruthahalli School							
0	15		cum	1	15.00	7.2	0.2	21.6	
15	30		cum	1	15.00	6.25	0.2	18.75	
30	45		cum	1	15.00	5.45	0.2	16.35	
45	57		cum	1	12.00	5.35	0.2	12.84	
		Road near maramma temple							
0	19.1		cum	1	19.10	3.20	0.2	12.224	
		Road near to govt school							
0	12.6		cum	1	12.60	4.15	0.2	10.458	
0	15		cum	1	15.00	4.50	0.2	13.5	
15	20.4		cum	1	5.40	5.25	0.2	5.67	
				4	0.636		0.2	-0.51	
		Deduction to Manholes	(3.14x0.90x0.9) / 4 = 0.636						
		Amruthalli Cross road							
0	15		cum	1	15.00	3.3	0.20	9.90	
15	29		cum	1	14.00	3.65	0.20	10.22	
		Amruthalli Cross road							
0	15		cum	1	15.00	4.3	0.2	12.9	
15	30		cum	1	15.00	3.9	0.2	11.7	
30	45		cum	1	15.00	4.05	0.2	12.15	
45	60		cum	1	15.00	4.45	0.2	13.35	
60	75		cum	1	15.00	4.2	0.2	12.6	
		Amruthalli Cross road							
0	15		cum	1	15.00	4.55	0.2	13.65	
15	27		cum	1	12.00	5	0.2	12	

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer Kodigehalli Sub Division 8/11/18

MEASUREMENT SHEET -1st AND Part BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Ashwath Katte road (D lane)							
0	15		cum	1	15.00	5.8	0.2	17.40	
15	33		cum	1	18.00	6.2	0.2	22.32	
0	15		cum	1	15.00	6.3	0.2	18.90	
15	30		cum	1	15.00	6.85	0.2	20.55	
30	40		cum	1	10.00	6.9	0.2	13.8	
		Deduction to Manholes		3	0.636		0.2	-0.38	
			(3.14x0.90x0.9) / 4 = 0.636						
		Amruthalli Grama road							
0	15		cum	1	15.00	5.55	0.30	24.98	
15	30		cum	1	15.00	6.35	0.30	28.58	
30	45		cum	1	15.00	6.85	0.30	30.83	
45	60		cum	1	15.00	5.55	0.30	24.98	
60	75		cum	1	15.00	4.3	0.30	19.35	
75	88		cum	1	13.00	5.75	0.30	22.43	
88	103		cum	1	15.00	6.3	0.30	28.35	
103	118		cum	1	15.00	5.35	0.30	24.08	
118	133		cum	1	15.00	5.15	0.30	23.18	
133	148		cum	1	15.00	5.4	0.30	24.30	
148	170		cum	1	22.00	7.3	0.30	48.18	
		Deduction of Manholes		5	0.636		0.30	-0.95	
			(3.14x0.90x0.90)/4=0.636						
		Drin Desilting							
		Drain from Amruthalli main road to Ashwath katte road							
0	30		cum	1	30.00	0.60	1.00	18.00	
30	60		cum	1	30.00	0.60	1.00	18.00	
60	90		cum	1	30.00	0.60	1.00	18.00	
90	120		cum	1	30.00	0.60	1.00	18.00	
120	150		cum	1	30.00	0.60	1.00	18.00	
150	180		cum	1	30.00	0.60	1.00	18.00	
180	200		cum	1	20.00	0.60	1.00	12.00	
							Total	**730.19**	NDP

AE(LA)
08/12/18

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.5		**Providing and laying in position Plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and Fine aggregates @0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation, including cost of all materials, labour, HOM of Machinery, curing complete as per specification.and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Road surface							
		Amruthahalli main road Next to Amruthahalli School							
0	15		cum	1	15.00	7.2	0.15	16.2	
15	30		cum	1	15.00	6.25	0.15	14.0625	
30	45		cum	1	15.00	5.45	0.15	12.2625	
45	57		cum	1	12.00	5.35	0.15	9.63	
		Road near maramma temple							
0	19.1		cum	1	19.10	3.20	0.15	9.168	
		Road near to govt school							
0	12.6		cum	1	12.60	4.15	0.15	7.8435	
0	15		cum	1	15.00	4.50	0.15	10.125	
15	20.4		cum	1	5.40	5.25	0.15	4.2525	
				4	0.636		0.15	-0.38	
		Deduction to Manholes	(3.14x0.90x0.9) / 4 = 0.636						
		Amruthalli Cross road							
0	15		cum	1	15.00	3.3	0.15	7.43	
15	29		cum	1	14.00	3.65	0.15	7.67	
		Amruthalli Cross road							
0	15		cum	1	15.00	4.3	0.15	9.675	
15	30		cum	1	15.00	3.9	0.15	8.775	
30	45		cum	1	15.00	4.05	0.15	9.11	
45	60		cum	1	15.00	4.45	0.15	10.0125	
60	75		cum	1	15.00	4.2	0.15	9.45	
		Amruthalli Cross road							
0	15		cum	1	15.00	4.55	0.15	10.2375	
15	27		cum	1	12.00	5	0.15	9	
		Ashwath Katte road (D lane)							
0	15		cum	1	15.00	5.8	0.15	13.05	
15	33		cum	1	18.00	6.2	0.15	16.74	
0	15		cum	1	15.00	6.3	0.15	14.18	
15	30		cum	1	15.00	6.85	0.15	15.4125	
30	40		cum	1	10.00	6.9	0.15	10.35	
				3	0.636		0.15	-0.29	
		Deduction to Manholes	(3.14x0.90x0.9) / 4 = 0.636						
							Total	**233.96**	

AE(NS) 13/11/18

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Pa

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.6		**Providing and laying in position Plain cement concrete of mix 1:2:4 with OPC cement @240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and Fine aggregates @0.53 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of Machinery, curing complete as per specification.and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Drain Coping							
		Drain from Amruthalli main road to Ashwath katte road							
0	30		cum	2	30.00	0.45	0.10	2.70	
30	60		cum	2	30.00	0.45	0.10	2.70	
60	90		cum	2	30.00	0.45	0.10	2.70	
90	120		cum	2	30.00	0.45	0.10	2.70	
120	150		cum	2	30.00	0.45	0.10	2.70	
150	180		cum	2	30.00	0.45	0.10	2.70	
180	200		cum	2	10.00	0.45	0.10	0.90	
							Total	17.10	

NDB
AE(UT)
26/12/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.7		**Providing and constructing granite/trap/basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labhour,scaffolding, curing complete as per specifications.(and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Drain flagging course							
		Drain from Amruthalli main road to Ashwath katte road							
		a) new stone							
0	30		cum	2	15.00	0.45	0.60	8.10	
30	60		cum	2	14.00	0.45	0.45	5.67	
60	90		cum	2	15.00	0.45	0.50	6.75	
							Total	**20.52**	NDP

AE(L-9) 26/12

Contactor PMC Assistant Engineer Assistant Executive Engineer

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer Kodigehalli Sub Division Bangalore Mahanagara Pa...

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.8		Providing and constructing granite/trap/basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labhour,scaffolding, curing complete as per specifications.(and as per the direction of Engineer in charge of the work.							
Measurement Recorded on									
		b) with available stone							
0	30		cum	2	15.00	0.45	0.40	5.40	
30	60		cum	2	17.00	0.45	0.40	6.12	
60	90		cum	2	14.50	0.45	0.60	7.83	
90	120		cum	2	14.00	0.45	0.40	5.04	
120	150		cum	2	18.00	0.45	0.40	6.48	
150	180		cum	2	21.00	0.45	0.40	7.56	
180	200		cum	2	6.00	0.45	0.40	2.16	
							Total	40.59	NDP

DE(W7)
26/12

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

26/12/18

Kodigehalli Sub Division

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.9		**Providing ruled pointing of course stone masonry with cement mortar 1:3, after raking joints, nicely lining, including ost of materials, labour, curing etc., and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Drain pointing							
		Drain from Amruthalli main road to Ashwath katte road							
0	30		Sqm	2	30.00		0.90	54.00	
30	60		Sqm	2	30.00		0.90	54.00	
60	90		Sqm	2	30.00		0.90	54.00	
90	120		Sqm	2	30.00		0.90	54.00	
120	150		Sqm	2	30.00		0.90	54.00	
150	180		Sqm	2	30.00		0.90	54.00	
180	200		Sqm	2	20.00		0.90	36.00	
							Total	**360.00**	

NDP
DE(HQ)
26/12/18

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.10		**Cement concrete pavement. Constructionn of un reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2, with 25mm and down size graded granite metal coarse granite metal coarse aggregates and fine aggregates, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.5cum capacity and appropriate weigh batcher as per approevd mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floater in a continuos operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, seperation membrane, selant primer, joint selant, admixtures as approved, curing compound, finishing to lines and grades as per specifications. and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Road surface							
		Amruthahalli main road Next to Amruthahalli School							
0	15		cum	1	15.00	7.2	0.1	10.8	
15	30		cum	1	15.00	6.25	0.1	9.375	
30	45		cum	1	15.00	5.45	0.1	8.175	
45	57		cum	1	12.00	5.35	0.1	6.42	
		Road near maramma temple							
0	19.1		cum	1	19.10	3.20	0.1	6.112	
		Road near to govt school							
0	12.6		cum	1	12.60	4.15	0.1	5.229	
0	15		cum	1	15.00	4.50	0.1	6.75	
15	20.4		cum	1	5.40	5.25	0.1	2.835	
				4	0.636		0.1	-0.25	
		Deduction to Manholes (3.14x0.90x0.9) / 4 = 0.636							
		Amruthalli Cross road							
0	15		cum	1	15.00	3.3	0.10	4.95	
15	29		cum	1	14.00	3.65	0.10	5.11	
		Amruthalli Cross road							
0	15		cum	1	15.00	4.3	0.10	6.45	
15	30		cum	1	15.00	3.9	0.10	5.85	
30	45		cum	1	15.00	4.05	0.10	6.08	
45	60		cum	1	15.00	4.45	0.10	6.675	
60	75		cum	1	15.00	4.2	0.10	6.3	

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Div
Bangalore Mahanagara

MEASUREMENT SHEET -1st AND Part BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Amruthalli Cross road							
0	15		cum	1	15.00	4.55	0.10	6.825	
15	27		cum	1	12.00	5	0.10	6	
		Ashwath Katte road (D lane)							
0	15		cum	1	15.00	5.8	0.1	8.70	
15	33		cum	1	18.00	6.2	0.1	11.16	
0	15		cum	1	15.00	6.3	0.1	9.45	
15	30		cum	1	15.00	6.85	0.1	10.275	
30	40		cum	1	10.00	6.9	0.1	6.9	
		Deduction to Manholes		3	0.636		0.1	-0.19	
			(3.14x0.90x0.9) / 4 = 0.636						
							Total	**155.97**	NDP

AE(1st) 7/2/19

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.11		**Vaccume de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of Machineries, screed vibrotery, power floater, blade and disc.and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Road surface							
		Amruthahalli main road Next to Amruthahalli School							
0	15		Sqm	1	15.00	7.2		108	
15	30		Sqm	1	15.00	6.25		93.75	
30	45		Sqm	1	15.00	5.45		81.75	
45	57		Sqm	1	12.00	5.35		64.2	
		Road near maramma temple							
0	19.1		Sqm	1	19.10	3.20		61.12	
		Road near to govt school							
0	12.6		Sqm	1	12.60	4.15		52.29	
0	15		Sqm	1	15.00	4.50		67.5	
15	20.4		Sqm	1	5.40	5.25		28.35	
			Sqm	4	0.636			-2.54	
		Deduction to Manholes	(3.14x0.90x0.9) / 4 = 0.636						
		Amruthalli Cross road							
0	15		Sqm	1	15.00	3.3		49.5	
15	29		Sqm	1	14.00	3.65		51.1	
		Amruthalli Cross road							
0	15		Sqm	1	15.00	4.3		64.5	
15	30		Sqm	1	15.00	3.9		58.5	
30	45		Sqm	1	15.00	4.05		60.75	
45	60		Sqm	1	15.00	4.45		66.75	
60	75		Sqm	1	15.00	4.2		63	
		Amruthalli Cross road							
0	15		Sqm	1	15.00	4.55		68.25	
15	27		Sqm	1	12.00	5		60	
		Ashwath Katte road (D lane)							
0	15		Sqm	1	15.00	5.8		87.00	
15	33		Sqm	1	18.00	6.2		111.6	
0	15		Sqm	1	15.00	6.3		94.50	
15	30		Sqm	1	15.00	6.85		102.75	
30	40		Sqm	1	10.00	6.9		69	
				3	0.636			-1.91	
		Deduction to Manholes	(3.14x0.90x0.9) / 4 = 0.636						
							Total	**1559.71**	

NDD
DE (WA)
7/2/19

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

N.D
Assistant Engineer

7/2/15
Assistant Executive Engineer
Kodigehalli Sub Division
Mahanagara Pa
Assistant Executive Engineer

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.12		Providing,laying, spreading and compacting crushed stone aggregates of granite/trap/ basalt to wet mix macadam specification including pre mixing the Material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications.and as per the direction of Engineer in charge of the work.							
Measurement Recorded on									
		Amruthalli Grama road							
0	15		cum	1	15.00	5.55	0.20	16.65	
15	30		cum	1	15.00	6.35	0.20	19.05	
30	45		cum	1	15.00	6.85	0.20	20.55	
45	60		cum	1	15.00	5.55	0.20	16.65	
60	75		cum	1	15.00	4.3	0.20	12.90	
75	88		cum	1	13.00	5.75	0.20	14.95	
88	103		cum	1	15.00	6.3	0.20	18.90	
103	118		cum	1	15.00	5.35	0.20	16.05	
118	133		cum	1	15.00	5.15	0.20	15.45	
133	148		cum	1	15.00	5.4	0.20	16.20	
148	170		cum	1	22.00	7.3	0.20	32.12	
		Deduction of Manholes		5	0.636		0.20	-0.64	
			(3.14x0.90x0.90)/4=0.636						
							Total	198.83	

NDP
AE(LT)
10/12/19

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Mahanagara

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.13		**Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Amruthalli Grama road							
0	15		Sqm	1	15.00	5.55		83.25	
15	30		Sqm	1	15.00	6.35		95.25	
30	45		Sqm	1	15.00	6.85		102.75	
45	60		Sqm	1	15.00	5.55		83.25	
60	75		Sqm	1	15.00	4.3		64.50	
75	88		Sqm	1	13.00	5.75		74.75	
88	103		Sqm	1	15.00	6.3		94.50	
103	118		Sqm	1	15.00	5.35		80.25	
118	133		Sqm	1	15.00	5.15		77.25	
133	148		Sqm	1	15.00	5.4		81.00	
148	170		Sqm	1	22.00	7.3		160.60	
		Deduction of Manholes		5	0.636			-3.18	
			(3.14x0.90x0.90)/4=0.636						
							Total	**994.17**	

NDD
AE(Civil)
21/12/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa
560 092

Assistant Executive Engineer

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.14		Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading,premixed with bituminous binder and filler,transporting the hot mix to work site,laying with a paver finisher to the required grade, level and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects complete as per specifications. and as per the direction of Engineer in charge of the work.							
Measurement Recorded on									
		Amruthalli Grama road							
0	15		cum	1	15.00	5.55	0.04	3.33	
15	30		cum	1	15.00	6.35	0.04	3.81	
30	45		cum	1	15.00	6.85	0.04	4.11	
45	60		cum	1	15.00	5.55	0.04	3.33	
60	75		cum	1	15.00	4.3	0.04	2.58	
75	88		cum	1	13.00	5.75	0.04	2.99	
88	103		cum	1	15.00	6.3	0.04	3.78	
103	118		cum	1	15.00	5.35	0.04	3.21	
118	133		cum	1	15.00	5.15	0.04	3.09	
133	148		cum	1	15.00	5.4	0.04	3.24	
148	170		cum	1	22.00	7.3	0.04	6.42	
		Deduction of Manholes		5	0.636		0.04	-0.13	
			(3.14x0.90x0.90)/4=0.636						
							Total	**39.77**	

NDP
AE(LS)
8/2/19

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.18		Loaing and unloading of stone boulder/stone aggregates/sand/kanker/moorum. Placing tipper at loading point loading with front end loading, dumping, turning for return trip, excluding time for haulage and return and trip complete as per specification and as per the direction of Engineer in charge of the work.							
Measurement Recorded on									
		considered same Qty vide I.no. 1	cum					730.19	TNDP AE(L-1)

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bengaluru Mahanagara P...

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
E1		**Providing and fixing 20cm thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centering shuttering reinforcement and bar bending machine mixed conrete laid in layer not exceeding 15cm thick well compacted cost of all materials labhour curing complete as per specification and as per the direction of Engineer in charge of the work.**							
Measurement Recorded on									
		Drain covering slabs							
		Drain from Amruthalli main road to Ashwath katte road							
0	30		Sqm	1	30.00	1.8		54.00	
30	60		Sqm	1	30.00	1.8		54.00	
60	90		Sqm	1	30.00	1.8		54.00	
90	120		Sqm	1	30.00	1.8		54.00	
120	150		Sqm	1	30.00	1.8		54.00	
150	180		Sqm	1	30.00	1.8		54.00	
180	200		Sqm	1	20.00	1.8		36.00	
							Total	**360.00**	NDP

AE(LT)
8/2/19

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET -1st AND Part BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Quantity Reserve for want of modified estimate									
E2		Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.20 cm in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately complete and as per the direction of Engineer in charge of the work.							
		Drain Top portion							
		Drain from Amruthalli main road to Ashwath katte road							
0	30		cum	1	30.00	2	0.2	12.00	
30	60		cum	1	30.00	1.8	0.2	10.80	
60	90		cum	1	30.00	1.8	0.2	10.80	
90	120		cum	1	30.00	1.8	0.2	10.80	
120	150		cum	1	30.00	1.8	0.2	10.80	
150	180		cum	1	30.00	1.8	0.2	10.80	
180	200		cum	1	20.00	1.8	0.2	7.20	
				Qty reserved:			**Total**	**73.20**	NDP

AE(Ltd) 08/12/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : Package - 4 includes 4 works of Rs.195.00 lakhs 1).Improvements to roads and drains near Hebbal Shanimahatma temple in Ward No.07, Byatarayanapura. 2).Improvements to roads and drains Amruthalli gramatana pending works and surrounding areas in Ward No.07, Byatarayanapura. 3).Improvements to roads and drains Sanjeevinagara, Byatarayanapura and Kempapura in Ward No.07, Byatarayanapura. 4).Improvements to drains Hoysala Apartment towards Byatararayanapura in Ward No.07, Byatarayanapura

PROJECT NAME:- Improvements to roads and Drains Sanjeevininagara, Byatarayanapura and Kempapura in ward no. 07, Byatarayanapura

Agency: Abhijit A, No.09, Gurushree nilaya, 5th cross, 80feet Road, Padmanabhanagara, Bangalore-560 070

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Measurement Recorded on									
Item no.3		Removing & Refixing stone slabs and drains and Pointing in and as per the direction of Engineer in charge of the work.							
		Drain							
		4th cross (Shabari nagar)							
		Left Side							
12	15		Sqm	1	3.00	1.35		4.05	
15	30		Sqm	1	15.00	1.35		20.25	
30	45		Sqm	1	15.00	1.35		20.25	
45	60		Sqm	1	15.00	1.35		20.25	
75	90		Sqm	1	15.00	1.35		20.25	
90	105		Sqm	1	15.00	1.35		20.25	
107	120		Sqm	1	13.00	1.35		17.55	
120.9	135		Sqm	1	14.10	1.35		19.04	
138	149		Sqm	1	11.00	1.35		14.85	
150	162		Sqm	1	12.00	1.35		16.20	
		Right Side							
0	15		Sqm	1	15.00	1.35		20.25	
15	30		Sqm	1	15.00	1.35		20.25	
30.9	45		Sqm	1	14.10	1.35		19.04	
48	60		Sqm	1	12.00	1.35		16.20	
90	105		Sqm	1	15.00	1.35		20.25	
105	120		Sqm	1	15.00	1.35		20.25	
120	135		Sqm	1	15.00	1.35		20.25	
135	150		Sqm	1	15.00	1.35		20.25	
150	162		Sqm	1	12.00	1.35		16.20	
		5th cross (Shabari nagar)							
		Right Side							
0	15		Sqm	1	15.00	1.35		20.25	
15	30		Sqm	1	15.00	1.35		20.25	
30	45		Sqm	1	15.00	1.35		20.25	

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
46.5	60		Sqm	1	13.50	1.35		18.23	
90	105		Sqm	1	15.00	1.35		20.25	
105	120		Sqm	1	15.00	1.35		20.25	
120	135		Sqm	1	15.00	1.35		20.25	
135	150		Sqm	1	15.00	1.35		20.25	
150	163.3		Sqm	1	13.30	1.35		17.96	
		Valmiki nagar							
		Left Side							
0	30		Sqm	1	30.00	1.35		40.50	
30	65		Sqm	1	35.00	1.35		47.25	
79	107		Sqm	1	28.00	1.35		37.80	
		Right side							
0	30		Sqm	1	30.00	1.35		40.50	
30	65		Sqm	1	35.00	1.35		47.25	
90	107		Sqm	1	17.00	1.35		22.95	
							Total	**760.05**	

NDD 05/11/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer 5/11/18
Kodigehalli Sub Division

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.1		Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and as per the direction of Engineer in charge of the work.							
Measurement Recorded on									
		Drain Desilting / Heaps stacking							
		4th cross (Shabari nagar)							
		Left Side							
0	30		Cum	1	30.00	0.60	0.60	10.80	
30	60		Cum	1	30.00	0.60	0.60	10.80	
60	90		Cum	1	30.00	0.60	0.60	10.80	
90	120		Cum	1	30.00	0.60	0.60	10.80	
120	150		Cum	1	30.00	0.60	0.60	10.80	
150	162.6		Cum	1	12.60	0.60	0.60	4.54	
		Right side							
0	30		Cum	1	30.00	0.60	0.60	10.80	
30	60		Cum	1	30.00	0.60	0.60	10.80	
60	90		Cum	1	30.00	0.60	0.60	10.80	
90	120		Cum	1	30.00	0.60	0.60	10.80	
120	150		Cum	1	30.00	0.60	0.60	10.80	
150	162.6		Cum	1	12.60	0.60	0.60	4.54	
		5th cross (Shabari nagar)							
		Right side							
0	30		Cum	1	30.00	0.60	0.60	10.80	
30	60		Cum	1	30.00	0.60	0.60	10.80	
60	90		Cum	1	30.00	0.60	0.60	10.80	
90	120		Cum	1	30.00	0.60	0.60	10.80	
120	150		Cum	1	30.00	0.60	0.60	10.80	
150	163		Cum	1	13.00	0.60	0.60	4.68	
		Valmiki nagar							
		Left Side							
0	30		Cum	1	30.00	0.60	0.60	10.80	
30	60		Cum	1	30.00	0.60	0.60	10.80	
60	90		Cum	1	30.00	0.60	0.60	10.80	
90	107.6		Cum	1	17.60	0.60	0.60	6.34	
		Right side							
0	30		Cum	1	30.00	0.60	0.60	10.80	
30	60		Cum	1	30.00	0.60	0.60	10.80	
60	90		Cum	1	30.00	0.60	0.60	10.80	
90	107.6		Cum	1	17.60	0.60	0.60	6.34	
		Road surface							
		4th cross (Shabarinagara)							
0	15		Cum	1	15.00	4.6	0.3	20.70	
15	30		Cum	1	15.00	3.85	0.3	17.33	
30	45		Cum	1	15.00	3.35	0.3	15.08	

Contactor PMC RUDRAPRASAD CONSULTANTS BANGALORE Assistant Engineer Assistant Executive Engineer Kodigehalli SSB Division

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
45	60		Cum	1	15.00	2.95	0.3	13.28	
60	75		Cum	1	15.00	4.15	0.3	18.68	
75	90		Cum	1	15.00	5.1	0.3	22.95	
90	105		Cum	1	15.00	4.9	0.3	22.05	
105	120		Cum	1	15.00	5.1	0.3	22.95	
120	135		Cum	1	15.00	4.65	0.3	20.93	
135	150		Cum	1	15.00	4.15	0.3	18.68	
150	162.6		Cum	1	12.60	4.25	0.3	16.07	
		Deductions to Manholes		5	0.636		0.3	-0.95	
			.14x0.90x0.90) /4 = 0.636						
		5th cross							
0	15		Cum	1	15.00	4.45	0.3	20.03	
15	30		Cum	1	15.00	4.55	0.3	20.48	
30	45		Cum	1	15.00	4.45	0.3	20.03	
45	60		Cum	1	15.00	4.55	0.3	20.48	
60	75		Cum	1	15.00	4.3	0.3	19.35	
75	90		Cum	1	15.00	4.05	0.3	18.23	
90	105		Cum	1	15.00	3.8	0.3	17.10	
105	120		Cum	1	15.00	3.65	0.3	16.43	
120	135		Cum	1	15.00	3.7	0.3	16.65	
135	150		Cum	1	15.00	3.6	0.3	16.20	
150	163.3		Cum	1	13.30	3.4	0.3	13.57	
		Deductions to Manholes		6	0.636		0.3	-1.14	
			.14x0.90x0.90) /4 = 0.636						
		Valmiki Bheedi							
0	15		Cum	1	15.00	3.8	0.3	17.10	
15	30		Cum	1	15.00	3.4	0.3	15.30	
30	45		Cum	1	15.00	3.65	0.3	16.43	
45	60		Cum	1	15.00	3.45	0.3	15.53	
60	75		Cum	1	15.00	3.05	0.3	13.73	
75	90		Cum	1	15.00	3	0.3	13.50	
90	93.5		Cum	1	3.50	2.65	0.3	2.78	
93.5	108.5		Cum	1	15.00	3.2	0.3	14.40	
0	15		Cum	1	15.00	3.55	0.3	15.98	
15	30		Cum	1	15.00	3	0.3	13.50	
30	45		Cum	1	15.00	2.95	0.3	13.28	
45	60		Cum	1	15.00	3.4	0.3	15.30	
60	62.5		Cum	1	2.50	4.2	0.3	3.15	
		Deductions to Manholes		6	0.636		0.3	-1.14	
			.14x0.90x0.90) /4 = 0.636						
							Total	827.12	

NDP 08/11/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer 8/11/18
Kodigehalli Sub Divn

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.4		Providing granite 7.5cms thick slabs of selected quality roughly dressed and fixed in cement and as per the direction of Engineer in charge of the work. complete							
Measurement Recorded on									
		Drain							
		Sanjeevininagar							
		nagar)	Sqm						
		Left Side							
12	15		Sqm	1	3.00	1.35		4.05	
82	90		Sqm	1	8.00	1.35		10.80	
97	105.4		Sqm	1	8.40	1.35		11.34	
107	120		Sqm	1	13.00	1.35		17.55	
		Right Side							
31.3	45		Sqm	1	13.70	1.35		18.50	
48	58		Sqm	1	10.00	1.35		13.50	
104	112		Sqm	1	8.00	1.35		10.80	
		5th cross (Shabari nagar)							
		Right Side							
15	24		Sqm	1	9.00	1.35		12.15	
46.5	60		Sqm	1	13.50	1.35		18.23	
109.9	120		Sqm	1	10.10	1.35		13.64	
		Valmiki nagar	Sqm						
		Left Side							
14	26		Sqm	1	12.00	1.35		16.20	
92	102		Sqm	1	10.00	1.35		13.50	
		Right Side							
15	23		Sqm	1	8.00	1.35		10.80	
41	55		Sqm	1	14.00	1.35		18.90	
							Total	**189.95**	

NDD
AE(L91)
08/11/18

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Mahanagara P...

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.5		KSRB 4-13: Providing and laying in position Plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and Fine aggregates @0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation, including cost of all materials, labour, HOM of Machinery, curing complete as per specification.and as per the direction of Engineer in charge of the work.							
Measurement Recorded on									
		Road surface							
		4th cross (Shabarinagara)							
0	15		Cum	1	15.00	4.6	0.15	10.35	
15	30		Cum	1	15.00	3.85	0.15	8.66	
30	45		Cum	1	15.00	3.35	0.15	7.54	
45	60		Cum	1	15.00	2.95	0.15	6.64	
60	75		Cum	1	15.00	4.15	0.15	9.34	
75	90		Cum	1	15.00	5.1	0.15	11.48	
90	105		Cum	1	15.00	4.9	0.15	11.03	
105	120		Cum	1	15.00	5.1	0.15	11.48	
120	135		Cum	1	15.00	4.65	0.15	10.46	
135	150		Cum	1	15.00	4.15	0.15	9.34	
150	162.6		Cum	1	12.60	4.25	0.15	8.03	
		Deductions to Manholes		5	0.636		0.15	-0.48	
			.14x0.90x0.90) /4 = 0.636						
		5th cross							
0	15		Cum	1	15.00	4.45	0.15	10.01	
15	30		Cum	1	15.00	4.55	0.15	10.24	
30	45		Cum	1	15.00	4.45	0.15	10.01	
45	60		Cum	1	15.00	4.55	0.15	10.24	
60	75		Cum	1	15.00	4.3	0.15	9.68	
75	90		Cum	1	15.00	4.05	0.15	9.11	
90	105		Cum	1	15.00	3.8	0.15	8.55	
105	120		Cum	1	15.00	3.65	0.15	8.21	
120	135		Cum	1	15.00	3.7	0.15	8.33	
135	150		Cum	1	15.00	3.6	0.15	8.10	
150	163.3		Cum	1	13.30	3.4	0.15	6.78	
		Deductions to Manholes		6	0.636		0.15	-0.57	
			.14x0.90x0.90) /4 = 0.636						
		Valmiki Bheedi							
0	15		Cum	1	15.00	3.8	0.15	8.55	
15	30		Cum	1	15.00	3.4	0.15	7.65	
30	45		Cum	1	15.00	3.65	0.15	8.21	
45	60		Cum	1	15.00	3.45	0.15	7.76	
60	75		Cum	1	15.00	3.05	0.15	6.86	
75	90		Cum	1	15.00	3	0.15	6.75	
90	93.5		Cum	1	3.50	2.65	0.15	1.39	
93.5	108.5		Cum	1	15.00	3.2	0.15	7.20	
0	15		Cum	1	15.00	3.55	0.15	7.99	

263.76.

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kadugodi Sub Division
Bruhat Bangalore Mahanagara P...

263.76

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
15	30		Cum	1	15.00	3	0.15	6.75	
30	45		Cum	1	15.00	2.95	0.15	6.64	
45	60		Cum	1	15.00	3.4	0.15	7.65	
60	62.5		Cum	1	2.50	4.2	0.15	1.58	
		Deductions to Manholes		6	0.636		0.15	-0.57	
			.14x0.90x0.90) /4 = 0.636						
							Total	286.95	

NDD
DE(LSD)
24/11/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pal
Bangalore - 560 092

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.10		Cement concrete pavement. Constructionn of un reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2, with 25mm and down size graded granite metal coarse granite metal coarse aggregates and fine aggregates, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.5cum capacity and appropriate weigh batcher as per approevd mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floater in a continuos operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, seperation membrane, selant primer, joint selant, admixtures as approved, curing compound, finishing to lines and grades as per specifications. and as per the direction of Engineer in charge of the work. complete							
Measurement Recorded on									
		4th cross (Shabarinagara)							
0	15		Cum	1	15.00	4.6	0.1	6.90	
15	30		Cum	1	15.00	3.85	0.1	5.78	
30	45		Cum	1	15.00	3.35	0.1	5.03	
45	60		Cum	1	15.00	2.95	0.1	4.43	
60	75		Cum	1	15.00	4.15	0.1	6.23	
75	90		Cum	1	15.00	5.1	0.1	7.65	
90	105		Cum	1	15.00	4.9	0.1	7.35	
105	120		Cum	1	15.00	5.1	0.1	7.65	
120	135		Cum	1	15.00	4.65	0.1	6.98	
135	150		Cum	1	15.00	4.15	0.1	6.23	
150	162.6		Cum	1	12.60	4.25	0.1	5.36	
		Deductions to Manholes		5	0.636		0.1	-0.32	
			.14x0.90x0.90) /4 = 0.636						
		5th cross							
0	15		Cum	1	15.00	4.8	0.1	7.20	
15	30		Cum	1	15.00	4.55	0.1	6.83	
30	45		Cum	1	15.00	4.45	0.1	6.68	
45	60		Cum	1	15.00	4.55	0.1	6.83	
60	75		Cum	1	15.00	4.3	0.1	6.45	
75	90		Cum	1	15.00	4.05	0.1	6.08	
90	105		Cum	1	15.00	3.8	0.1	5.70	
105	120		Cum	1	15.00	3.65	0.1	5.48	
120	135		Cum	1	15.00	3.7	0.1	5.55	
135	150		Cum	1	15.00	3.6	0.1	5.40	
150	163.3		Cum	1	13.30	3.4	0.1	4.52	
		Deductions to Manholes		6	0.636		0.1	-0.38	
			.14x0.90x0.90) /4 = 0.636						
		Valmiki Bheedi							
0	15		Cum	1	15.00	3.2	0.1	4.80	
15	30		Cum	1	15.00	3.4	0.1	5.10	
30	45		Cum	1	15.00	3.65	0.1	5.48	

150.14

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kengeri Sub Division
Bruhat Bangalore Mahanagara Pa
560 092

150.14

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
45	60		Cum	1	15.00	3.45	0.1	5.18	
60	75		Cum	1	15.00	3.05	0.1	4.58	
75	90		Cum	1	15.00	3	0.1	4.50	
90	93.5		Cum	1	3.50	2.65	0.1	0.93	
93.5	108.5		Cum	1	15.00	3.2	0.1	4.80	
0	15		Cum	1	15.00	3.55	0.1	5.33	
15	30		Cum	1	15.00	3	0.1	4.50	
30	45		Cum	1	15.00	2.95	0.1	4.43	
45	60		Cum	1	15.00	3.4	0.1	5.10	
60	62.5		Cum	1	2.50	4.2	0.1	1.05	
		Deductions to Manholes		6	0.636		0.1	-0.38	
			.14x0.90x0.90) /4 = 0.636						
							Total	190.92	

NDD
AE(LA)
11/2/19

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Parbat Bangalore Mahanagara

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.11		Vaccume de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of Machineries, screed vibrotery, power floater, blade and disc., and as per the direction of Engineer in charge of the work. complete							
Measurement Recorded on									
		4th cross (Shabarinagara)							
0	15		Cum	1	15.00	4.6		69.00	
15	30		Cum	1	15.00	3.85		57.75	
30	45		Cum	1	15.00	3.35		50.25	
45	60		Cum	1	15.00	2.95		44.25	
60	75		Cum	1	15.00	4.15		62.25	
75	90		Cum	1	15.00	5.1		76.50	
90	105		Cum	1	15.00	4.9		73.50	
105	120		Cum	1	15.00	5.1		76.50	
120	135		Cum	1	15.00	4.65		69.75	
135	150		Cum	1	15.00	4.15		62.25	
150	162.6		Cum	1	12.60	4.25		53.55	
		Deductions to Manholes		5	0.636			-3.18	
			.14x0.90x0.90) /4 = 0.636						
		5th cross							
0	15		Cum	1	15.00	4.8		72.00	
15	30		Cum	1	15.00	4.55		68.25	
30	45		Cum	1	15.00	4.45		66.75	
45	60		Cum	1	15.00	4.55		68.25	
60	75		Cum	1	15.00	4.3		64.50	
75	90		Cum	1	15.00	4.05		60.75	
90	105		Cum	1	15.00	3.8		57.00	
105	120		Cum	1	15.00	3.65		54.75	
120	135		Cum	1	15.00	3.7		55.50	
135	150		Cum	1	15.00	3.6		54.00	
150	163.3		Cum	1	13.30	3.4		45.22	
		Deductions to Manholes		6	0.636			-3.82	
			.14x0.90x0.90) /4 = 0.636						
		Valmiki Bheedi							
0	15		Cum	1	15.00	3.2		48.00	
15	30		Cum	1	15.00	3.4		51.00	
30	45		Cum	1	15.00	3.65		54.75	
45	60		Cum	1	15.00	3.45		51.75	
60	75		Cum	1	15.00	3.05		45.75	
75	90		Cum	1	15.00	3		45.00	
90	93.5		Cum	1	3.50	2.65		9.28	
93.5	108.5		Cum	1	15.00	3.2		48.00	
0	15		Cum	1	15.00	3.55		53.25	
15	30		Cum	1	15.00	3		45.00	
30	45		Cum	1	15.00	2.95		44.25	
45	60		Cum	1	15.00	3.4		51.00	
60	62.5		Cum	1	2.50	4.2		10.50	
		Deductions to Manholes		6	0.636			-3.82	
			.14x0.90x0.90) /4 = 0.636						
							Total	1909.23	

AE(Civil) 11/02/19

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.18		Loaing and unloading of stone boulder/stone aggregates/sand/kanker/moorum.Placing tipper at loading point loading with front end loading, dumping, turning for return trip, excluding time for haulage and return and trip complete as per specificationand as per the direction of Engineer in charge of the work. complete							
Measurement Recorded on									
		Considered same Qty vide I.No. 1						760.05	

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Quantity Reserve for want of modified estimate									
E2		Dismantling of cement concrete pavement by mechanical means using Pneumatic tools, breaking to pieces not exceeding 0.20cm in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications and as per the direction of Engineer in charge of the work.							
		Road surface							
		4th cross (Shabarinagara)							
0	15		Cum	1	15.00	4.6	0.15	10.35	
15	30		Cum	1	15.00	3.85	0.15	8.66	
30	45		Cum	1	15.00	3.35	0.15	7.54	
45	60		Cum	1	15.00	2.95	0.15	6.64	
60	75		Cum	1	15.00	4.15	0.15	9.34	
75	90		Cum	1	15.00	5.1	0.15	11.48	
90	105		Cum	1	15.00	4.9	0.15	11.03	
105	120		Cum	1	15.00	5.1	0.15	11.48	
120	135		Cum	1	15.00	4.65	0.15	10.46	
135	150		Cum	1	15.00	4.15	0.15	9.34	
150	162.6		Cum	1	12.60	4.25	0.15	8.03	
		Deductions to Manholes		5	0.636		0.15	-0.48	
			.14x0.90x0.90) /4 = 0.636						
		5th cross							
0	15		Cum	1	15.00	4.8	0.15	10.80	
15	30		Cum	1	15.00	4.55	0.15	10.24	
30	45		Cum	1	15.00	4.45	0.15	10.01	
45	60		Cum	1	15.00	4.55	0.15	10.24	
60	75		Cum	1	15.00	4.3	0.15	9.68	
75	90		Cum	1	15.00	4.05	0.15	9.11	
90	105		Cum	1	15.00	3.8	0.15	8.55	
105	120		Cum	1	15.00	3.65	0.15	8.21	
120	135		Cum	1	15.00	3.7	0.15	8.33	
135	150		Cum	1	15.00	3.6	0.15	8.10	
150	163.3		Cum	1	13.30	3.4	0.15	6.78	
		Deductions to Manholes		6	0.636		0.15	-0.57	
			.14x0.90x0.90) /4 = 0.636						
		Valmiki Bheedi							
0	15		Cum	1	15.00	3.2	0.15	7.20	
15	30		Cum	1	15.00	3.4	0.15	7.65	
30	45		Cum	1	15.00	3.65	0.15	8.21	
45	60		Cum	1	15.00	3.45	0.15	7.76	
60	75		Cum	1	15.00	3.05	0.15	6.86	
75	90		Cum	1	15.00	3	0.15	6.75	
90	93.5		Cum	1	3.50	2.65	0.15	1.39	
93.5	108.5		Cum	1	15.00	3.2	0.15	7.20	
0	15		Cum	1	15.00	3.55	0.15	7.99	
15	30		Cum	1	15.00	3	0.15	6.75	
30	45		Cum	1	15.00	2.95	0.15	6.64	
45	60		Cum	1	15.00	3.4	0.15	7.65	
60	62.5		Cum	1	2.50	4.2	0.15	1.58	
		Deductions to Manholes		6	0.636		0.15	-0.57	
			.14x0.90x0.90) /4 = 0.636						
							Total	286.38	

NDD DECLRD 6/11/18

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer Kodigehalli Sub Division

MEASUREMENT SHEET - 1st and PART BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Quantity Reserve for want of modified estimate									
E3		Construction of Emabnkment with approved material Gravel/Murrum with all lifts and leads, transporting to site, sptreading, grading to required slope and compacting to meet requirement and as per the direction of Engineer in charge of the work.							
		Road surface							
		4th cross (Shabarinagara)							
0	15		Cum	1	15.00	4.6	0.15	10.35	
15	30		Cum	1	15.00	3.85	0.15	8.66	
30	45		Cum	1	15.00	3.35	0.15	7.54	
45	60		Cum	1	15.00	2.95	0.15	6.64	
60	75		Cum	1	15.00	4.15	0.15	9.34	
75	90		Cum	1	15.00	5.1	0.15	11.48	
90	105		Cum	1	15.00	4.9	0.15	11.03	
105	120		Cum	1	15.00	5.1	0.15	11.48	
120	135		Cum	1	15.00	4.65	0.15	10.46	
135	150		Cum	1	15.00	4.15	0.15	9.34	
150	162.6		Cum	1	12.60	4.25	0.15	8.03	
		Deductions to Manholes		5	0.636		0.15	-0.48	
			.14x0.90x0.90) /4 = 0.636						
		5th cross							
0	15		Cum	1	15.00	4.8	0.15	10.80	
15	30		Cum	1	15.00	4.55	0.15	10.24	
30	45		Cum	1	15.00	4.45	0.15	10.01	
45	60		Cum	1	15.00	4.55	0.15	10.24	
60	75		Cum	1	15.00	4.3	0.15	9.68	
75	90		Cum	1	15.00	4.05	0.15	9.11	
90	105		Cum	1	15.00	3.8	0.15	8.55	
105	120		Cum	1	15.00	3.65	0.15	8.21	
120	135		Cum	1	15.00	3.7	0.15	8.33	
135	150		Cum	1	15.00	3.6	0.15	8.10	
150	163.3		Cum	1	13.30	3.4	0.15	6.78	
		Deductions to Manholes		6	0.636		0.15	-0.57	
			.14x0.90x0.90) /4 = 0.636						
		Valmiki Bheedi							
0	15		Cum	1	15.00	3.2	0.15	7.20	
15	30		Cum	1	15.00	3.4	0.15	7.65	
30	45		Cum	1	15.00	3.65	0.15	8.21	
45	60		Cum	1	15.00	3.45	0.15	7.76	
60	75		Cum	1	15.00	3.05	0.15	6.86	
75	90		Cum	1	15.00	3	0.15	6.75	
90	93.5		Cum	1	3.50	2.65	0.15	1.39	
93.5	108.5		Cum	1	15.00	3.2	0.15	7.20	
0	15		Cum	1	15.00	3.55	0.15	7.99	
15	30		Cum	1	15.00	3	0.15	6.75	
30	45		Cum	1	15.00	2.95	0.15	6.64	
45	60		Cum	1	15.00	3.4	0.15	7.65	
60	62.5		Cum	1	2.50	4.2	0.15	1.58	
		Deductions to Manholes		6	0.636		0.15	-0.57	
			.14x0.90x0.90) /4 = 0.636						
							Total	286.38	NDP

AE(L21) 15/11/18

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer Kodigehalli Sub Division